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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/713,909	11/16/2000	Peter Mathieson Craig	SMB-2-0905	4960

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EXAMINER

CHIANG, JACK

ART UNIT	PAPER NUMBER
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2642

DATE MAILED: 05/20/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/713909

Applicant(s)

P. M. Craig

Examiner

J. Chiang

Group Art Unit

2642

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—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

Period for Response

A SHORTENED STATUTORY PERIOD FOR RESPONSE IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a response be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for response is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to respond within the set or extended period for response will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

Status

- ☒ Responsive to communication(s) filed on 11-16-00.
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 1-11 is/are pending in the application.
- Of the above claim(s) _____ is/are withdrawn from consideration.
- ☐ Claim(s) _____ is/are allowed.
- ☒ Claim(s) 1-11 is/are rejected.
- ☐ Claim(s) _____ is/are objected to.
- ☐ Claim(s) _____ are subject to restriction or election requirement.

Application Papers

- ☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.
- ☐ received in Application No. (Series Code/Serial Number) _____.
- ☐ received in this national stage application from the International Bureau (PCT Rule 1.7.2(a)).

*Certified copies not received: _____.

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s) 2
- ☒ Notice of References Cited, PTO-892
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Interview Summary, PTO-413
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Other _____

Office Action Summary

CLAIMS

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Boncek et al. (US 6456768).

Regarding claims 1-2, Boncek shows:

Male and female connectors (300, 440);

The male connector (300) having a main body (20) and a tongue (22-23);

The female connector (440) having a groove (443);

The tongue (22-23) having shoulder means (23) contacting with abutment means (441, 442) in the female connector (440);

An actuator (30-35) having an attachment portion ((33, 39) and an operative portion (32), the operative portion (32) extends adjacent the tongue (22) and projects out of the recess far enough to be manipulated so as to move the tongue (22) to break contact between the shoulder means (23) and the abutment means (441, 42).

Regarding claim 3, Boncek shows:

The attachment portion (33, 30) which is substantially rectangular;

The operative portion is a strap (32).

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boncek et al..

Regarding claims 4-7, Boncek shows the concept of lodging the male and female connectors together.

Boncek differs from the claimed invention in that it does not explicitly mention that the actuator is lodged onto the abutment means of the female connector.

However, the concept of lodging the actuator is well taught by Boncek, such as the lodging tab 39 which is similar to the lodging features (23, 441, 442) of the male and female connectors. Therefore, it would have obvious for one skilled in the art to lodge Boncek's actuator (32) onto other parts of the male/female connector, because the lodging features are well taught for the actuator and the connectors, as long as the basic concept and operation of the actuator is substantially unchanged, it would be obvious to lodge the actuator in the same way as to lodge the male connector.

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Regarding claims 8-11, Boncek shows the actuator (i.e. 32).

Boncek differs from the claimed invention in that it does not explicitly mention that the material for the actuator is electrical conductive or non-conductive material.

However, notice that applicant claims that the actuator can be electrical conductive or non-conductive material. In other words, it substantially covers all the materials used in the connector environment, and there is no teaching of criticality for one material over another. Therefore, it would have been obvious for one skill in the art to use an electrical conductive or non-conductive material in Boncek, because these are the most common materials used in the connector environment. Further, if it is found that Boncek's material is electrical conductive, it would anticipate some claims, or if it is found that Boncek's material is electrical non-conductive, it also anticipates some claims, because materials are either electrical conductive or non-conductive in this environment.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack Chiang whose telephone number is 703-305-4728. The examiner can normally be reached on Mon.-Fri. from 8:00 to 6:30.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (703) 305-4731. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9314.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.


Jack Chiang
Primary Examiner
Art Unit 2642